

VAS Taq Blue

Cat. No. : BN0190-0250

units : 250 U

Concentration : 5 units/ μ l

Volume : 50 μ l

Storage : -20 °C

Supplied form :

20mM Tris-HCl pH8.0, 50%glycerol,
100mM KCl, 0.1Mm EDTA, 1mM DTT,
0.5%Tween20, 0.5%NP-40

Description

VAS Taq is isolated and purified from an E.Coli. strain that carries the cloned DNA polymerase gene from Thermus aquqticus YT-1strain.An inert blue dye is added.

Purity(SDS-PAGE) > 99%

10X VAS Taq PCR Buffer

Volume: 1ml / vial

Composition: Tris-HCl, KCl, (NH₄)₂SO₄,
15mM MgCl₂, pH8.3 .

Unit definition

One unit is the amount of enzyme that will incorporate 10 nmoles of dNTPs into acid-insoluble products at 72 °C in 30 min.

PCR performance test

Good performance of DNA amplification by PCR is confirmed by using 2 U Taq will amplified 2.5 kb DNA fragment in a 50 μ l reaction volume.

General reaction mixture for PCR (total 50 μ l)

Taq (5 units/ μ l)	0.5 μ l
10X Taq Buffer	5 μ l
dNTPs(2.5mM)	4 μ l
Template	< 1 μ g
Primer 1	0.2~1.0 μ M
Primer 2	0.2~1.0 μ M
H ₂ O	upto 50 μ l

PCR products

As most PCR product amplified with VAS Taq have one A added at 3`- terminus, the obtained PCR product can be directly used for cloning into T-vector.